

Contact us today on...

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Off Highway Plant Solutions

OHPS-TSafe



OHPS-TSafe can be an Inclinometer, a HVDS High Voltage overhead cable detection system or both. Combine this with it's optional wireless technology and full event data recording the OHPS-TSafe is a safe investment incorporating the latest technology.

- ⇒ High Voltage Overhead Cable Detection (HVDS)
- ⇒ Inclinometer can measure vehicle angle side/side and Front/Back up to 23 degrees
- ⇒ Large 3.5" (90mm) back lit touch screen display
- ⇒ Wired or Wireless connection of sensors and HVDS nodes
- ⇒ Wireless range up to 100m (433Mhz)
- ⇒ Up to 4 HVDS nodes can be connected for detection across larger vehicles and cranes
- ⇒ Fully adjustable High Voltage Overhead Cable Detector with signal strength indicator
- ⇒ Body raised/lowered indicator
- ⇒ Fully adjustable alarm settings for body/boom raised or lowered
- ⇒ Spoken voice warning alarms (can be programmed for various languages)
- ⇒ Full data recording of all parameters and alarm activations. The system will log all events with a time/date stamp
- ⇒ Management code protected to prevent tampering
- ⇒ RS485 compatible
- ⇒ Two dry contact auxiliary relay's to switch external devices when the system alarms
- ⇒ Auto resetting alarm mute
- ⇒ Mute, watchdog and alarm outputs for connection to external data/telematics systems
- ⇒ External dual message talking warning sounder
- ⇒ Plug & Play connections to each module makes installation and servicing simple
- ⇒ 10-28v wide power input

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Inclinometer

The OHPS-TSafe system features a new two axis inclinometer that can monitor the vehicles angle side to side and front to back up to a maximum of 23 degrees in 0.1 degree increments, to enable the OHPS-TSafe system to be used on almost any type of vehicle from a small tipper to a large quarry dump truck. We have also incorporated a body raised sensor which allows separate alarm angles to be programmed for when the body is raised or lowered.



High Voltage Detection System HVDS

Building on our vast experience of Overhead Power Cable Detection the new OHPS-TSafe system has the most advanced HVDS yet. New detection circuitry gives almost double the detection range, sensitivity and noise rejection over existing HVDS units. The OHPS-TSafe's HVDS can be fully adjusted to suit the operating environment and gives a visual indication of detected signal strength and range. A new high gain detection antenna further improves the systems detection capabilities giving full 360 degree high voltage cable detection out to 25mtrs on 11Kv overhead power lines.

Wireless

The OHPS-TSafe sensor modules can be either hard wired or wirelessly connected back to the in cab display making installation and servicing very simple. There is also the ability to add up to 4 HVDS nodes to expand the High Voltage Detection Coverage on large vehicles and cranes.

Data Recording—event logging

The OHPS-TSafe system has detailed event logging which records all alarm warnings, parameters and settings against a time and date stamp. In the event that an incident did happen then this data can be reviewed similar to that of a black box flight recorder.



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Sphere 24 Ltd t/a Off Highway Plant Solutions

Sphere 24

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